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Substitute for form 1449A/PTO

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Complete if Known

Application Number	10/537,913
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Filing Date	December 6, 2005
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First Named Inventor	Giora AMITZUR et al
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Art Unit	3762
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Examiner Name	Not Yet Assigned
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Sheet	1	of	4	Attorney Docket Number	30028
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
ZB	2	EP 1360929	11-12-2003	Chowienczyck et al.	
	3	PCT WO 02/34105	02-2-2002	Lavie et al.	
	4	EP 1245183	02-2-2002	Ogura et al.	
	5	EP 1053714	11-22-2000	Ogura et al.	
	6	PCT WO 00/47110	08-17-2000	Orbach et al.	
Examiner Signature		/Zoe Baxter/		Date Considered	02/02/2007

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
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		Filing Date	December 6, 2005
		First Named Inventor	Giora AMITZUR et al
		Group Art Unit	3762
		Examiner Name	Not Yet Assigned
Sheet	2	Of	4
		Attorney Docket Number	30028
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ZB	7	Wilkinson et al. "Increased Augmentation Index and Systolic Stress in Type 1 Diabetes Mellitus", Q J Med., 93(7): 441-448, 2000. P.441-442.	
	8	Hartley et al. "Hemodynamics of Atherosclerotic Mice", Proceedings of the 22nd Annual EMBS International Conference, Chicago, Ill., IEEE, 3: 2219-2222, 2000. P.2219.	
	9	Itoh et al. "The Therapeutic Effect of Lipo PGE1 on Diabetic Neuropathy-Changes in Endothelin and Various Angiopathic Factors", Prostaglandins, 66(3): 221-234, 2001. Abstract, § '02.51.	
	10	Anderson et al. "Flow-Mediated and Reflex Changes in Large Peripheral Artery Tone in Humans", Circulation, 79: 93-100, 1989.	
	11	Armentano et al. "Arterial Wall Mechanics in Conscious Dogs. Assessment of Viscous, Inertial, and Elastic Moduli to Characterize Aortic Wall Behavior", Circulation Research, 76: 468-478, 1995.	
	12	Brendle et al. "Effects of Exercise Rehabilitation on Endothelial Reactivity in Older Patients With Peripheral Arterial Disease", The American Journal of Cardiology, 87: 324-329, 2001.	
	13	Anderson et al. "Close Relation of Endothelial Function in the Human Coronary and Peripheral Circulations", JACC (Journal of the American College of Cardiology), 26(5): 1235-1241, 1995.	
	14	Corretti et al. "Guidelines for the Ultrasound Assessment of Endothelial-Dependent Flow-Mediated Vasodilation of the Brachial Artery", Journal of the American College of Cardiology, 39(2): 257-265, 2002.	
	15	Corretti et al. "Correlation of Cold Pressor and Flow-Mediated Brachial Artery Diameter Responses With the Presence of Coronary Artery Disease", American Journal of Cardiology, 75: 783-787, 1995.	
	16	Cosentino et al. "Endothelial Dysfunction in Diabetes Mellitus", Journal of Cardiovascular Pharmacology, 32(Suppl.3): S54-S61, 1998.	
	17	Cosentino et al. "High Glucose Causes Upregulation of Cyclooxygenases-2 and Alters Prostanoid Profile in Human Endothelial Cells. Role of Protein Kinase C and Reactive Oxygen Species", Circulation, 107: 1017-1023, 2003.	
	18	Celermajer et al. "Cigarette Smoking Is Associated With Dose-Related and Potentially Reversible Impairment of Endothelium-Dependent Dilation in Healthy Young Adults", Circulation, 88(Part 1): 2149-2155, 1993.	
	19	Celermajer et al. "Endothelium-Dependent Dilation in the Systemic Arteries of Asymptomatic Subjects Relates to Coronary Risk Factors and Their Interactions", JACC (Journal of the American College of Cardiology), 24: 1468-1474, 1994.	
	20	Deanfield et al. "Silent Myocardial Ischaemia Due to Mental Stress", The Lancet, 2: 1001-1005, 1984.	
↓	21	Gage et al. "Vasoconstriction of Stenotic Coronary Arteries During Dynamic Exercise in Patients With Classic Angina Pectoris: Reversibility by Nitroglycerin", Circulation, 73: 865-876, 1986.	

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/537,913		
		Filing Date	December 6, 2005		
		First Named Inventor	Giora AMITZUR et al		
		Group Art Unit	3762		
Examiner Name	Not Yet Assigned				
Sheet	3	Of	4	Attorney Docket Number	30028

ZB	22	Gordon et al. "Atherosclerosis Influences the Vasomotor Response of Epicardial Coronary Arteries to Exercise", Journal of Clinical Investigation, 83: 1946-1952, 1989.	
	23	Hayano et al. "Decreased Magnitude of Heart Rate Spectral Components in Coronary Artery Disease. Its Relation to Angiographic Severity", Circulation, 81: 1217-1224, 1990.	
	24	Wilkinson et al. "Nitric Oxide Regulates Local Arterial Distensibility In Vivo", Circulation, 105: 213-217, 2002.	
	25	Egashira et al. "Reduction in Serum Cholesterol With Pravastatin Improves Endothelium-Dependent Coronary Vasomotion in Patients With Hypercholesterolemia", Circulation, 89: 2519-2524, 1994.	
	26	Khoury et al. "Relation of Coronary Artery Disease to Atherosclerotic Disease in the Aorta, Carotid, and Femoral Arteries Evaluated by Ultrasound", American Journal of Cardiology, 80: 1429-1433, 1997.	
	27	Malik et al. "Heart Rate Variability. Standards of Measurement, Physiological Interpretation, and Clinical Use", European Heart Journal, 17: 354-381, 1996.	
	28	Nabel et al. "Dilation of Normal and Constriction of Atherosclerosis Coronary Arteries Caused by the Cold Pressor Test", Circulation, 77(1): 43-52, 1988.	
	29	Nafz et al. "Endogenous Nitric Oxide Buffers Blood Pressure Variability Between 0.2 and 0.6 Hz in the Conscious Rat", American Journal of Physiology (Heart Circulation Physiology), 272: H632-H637, 1997.	
	30	Parati et al. "Spectral Analysis of Blood Pressure and Heart Rate Variability in Evaluating Cardiovascular Regulation. A Critical Appraisal", Hypertension, 25: 1276-1286, 1995.	
	31	Pelat et al. "Rosuvastatin Decreases Caveolin-1 and Improves Nitric Oxide-Dependent Heart Rate and Blood Pressure Variability in Apolipoprotein E-/- Mice In Vivo", Circulation, 107: 2480-2486, 2003.	
	32	Persson "Spectrum Analysis of Cardiovascular Time Series", American Journal of Physiology - Regulatory, Integrative and Comparative Physiology, 273: 1201-1210, 1997.	
	33	Perticone et al. "Prognostic Significance of Endothelial Dysfunction in Hypertensive Patients", Circulation, 104: 191-196, 2001.	
	34	Joannides et al. "Nitric Oxide Is Responsible for Flow-Dependent Dilation of Human Peripheral Conduit Arteries In Vivo", Circulation, 91: 1314-1319, 1995.	
	35	Sorensen et al. "Atherosclerosis in the Human Brachial Artery", JACC (Journal of the American College of Cardiology), 29(2): 318-322, 1997.	
	36	Stadler et al. "Measurement of the Time Course of Peripheral Vasoactivity: Results in Cigarette Smokers", Atherosclerosis, 138: 197-205, 1998.	
↓	37	Vanhoutte "Endothelial Dysfunction and Atherosclerosis", European Heart Journal, 18(Suppl.E): E19-E29, 1997.	

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Sheet	4	Of	4	Attorney Docket Number	30028
ZB ↓ ↓ ↓ ↓ ↓	38	Vita et al. "Patients With Evidence of Coronary Endothelial Dysfunction as Assessed by Acetylcholine Infusion Demonstrate Marked Increase in Sensitivity to Constrictor Effects of Catecholamines", Circulation, 85: 1390-1397, 1992.			
	39	Vogel et al. "Changes in Flow-Mediated Brachial Artery Vasoactivity With Lowering of Desirable Cholesterol Levels in Healthy Middle-Aged Men", American Journal of Cardiology, 77: 37-40, 1996.			
	40	Vogel "Coronary Risk Factors, Endothelial Function, and Atherosclerosis: A Review", Clinical Cardiology, 20: 426-432, 1997.			
	41	Widlansky et al. "The Clinical Implications of Endothelial Dysfunction", Journal of the American College of Cardiology, 42(7): 1149-1160, 2003.			
	42	Zeiger et al. "Coronary Vasomotion in Response to Sympathetic Stimulation in Humans: Importance of the Functional Integrity of the Endothelium", JACC (Journal of the American College of Cardiology), 14(5): 1181-1190, 1989.			
Signature		/Zoe Baxter/		Considered	02/02/2007

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